

Qualities of a Highly Effective Architect



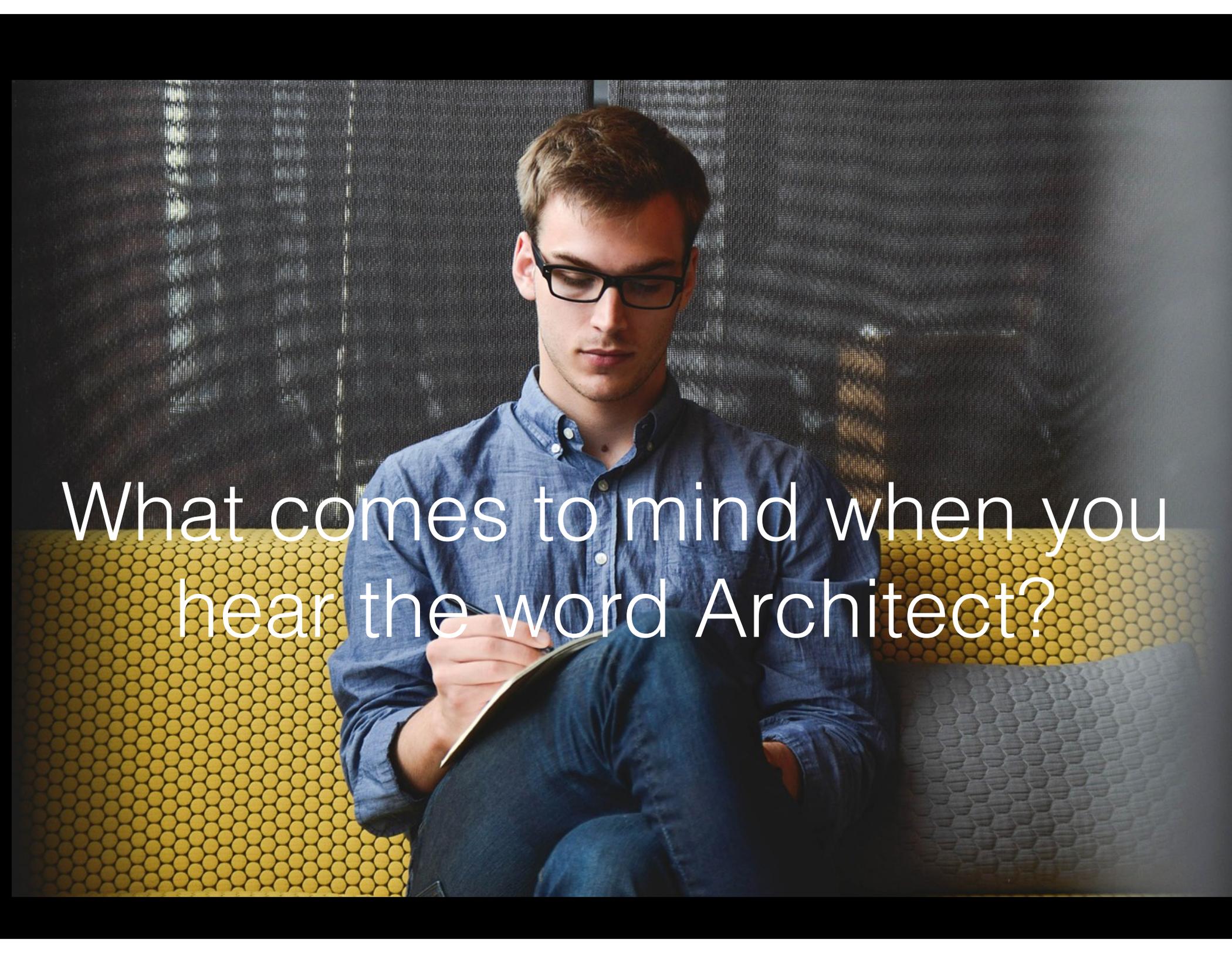
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A woman with her hair in a bun, wearing a black long-sleeved shirt, is leaning over a desk and writing with a white pen. The desk has several sheets of paper, some with pink and yellow markings, and a computer mouse. In the background, other people are working at desks in a bright, modern office environment. The word "Architect" is overlaid in white text across the center of the image.

Architect

A young man with short brown hair and black-rimmed glasses is sitting on a bench. He is wearing a blue button-down shirt and dark blue jeans. He is looking down at a notebook he is holding in his lap, with a pen in his right hand as if writing. The bench has a yellow and grey patterned surface. The background is a dark, textured wall with some light filtering through, possibly from a window with blinds. The overall lighting is soft and focused on the man.

What comes to mind when you
hear the word Architect?

Who Needs an Architect?

Martin Fowler



andering down our corridor a while ago. I saw my colleague Dave Rice architect.) However, as so often occurs, inside the blighted cynicism is a pinch of truth. Un-

A photograph of a standard 12-egg carton filled with brown eggs. The carton is made of light-colored cardboard and is set against a dark green background. The text "12 Qualities" is overlaid in the center of the image in a white, sans-serif font.

12 Qualities



Be a Mentor,
Not a Tormentor

Knowledge is a wealth that
grows when given





Criticize
Ideas,
Not People

Architecting is evaluating
tradeoffs

Debating with Knives





Guide,
don't dictate

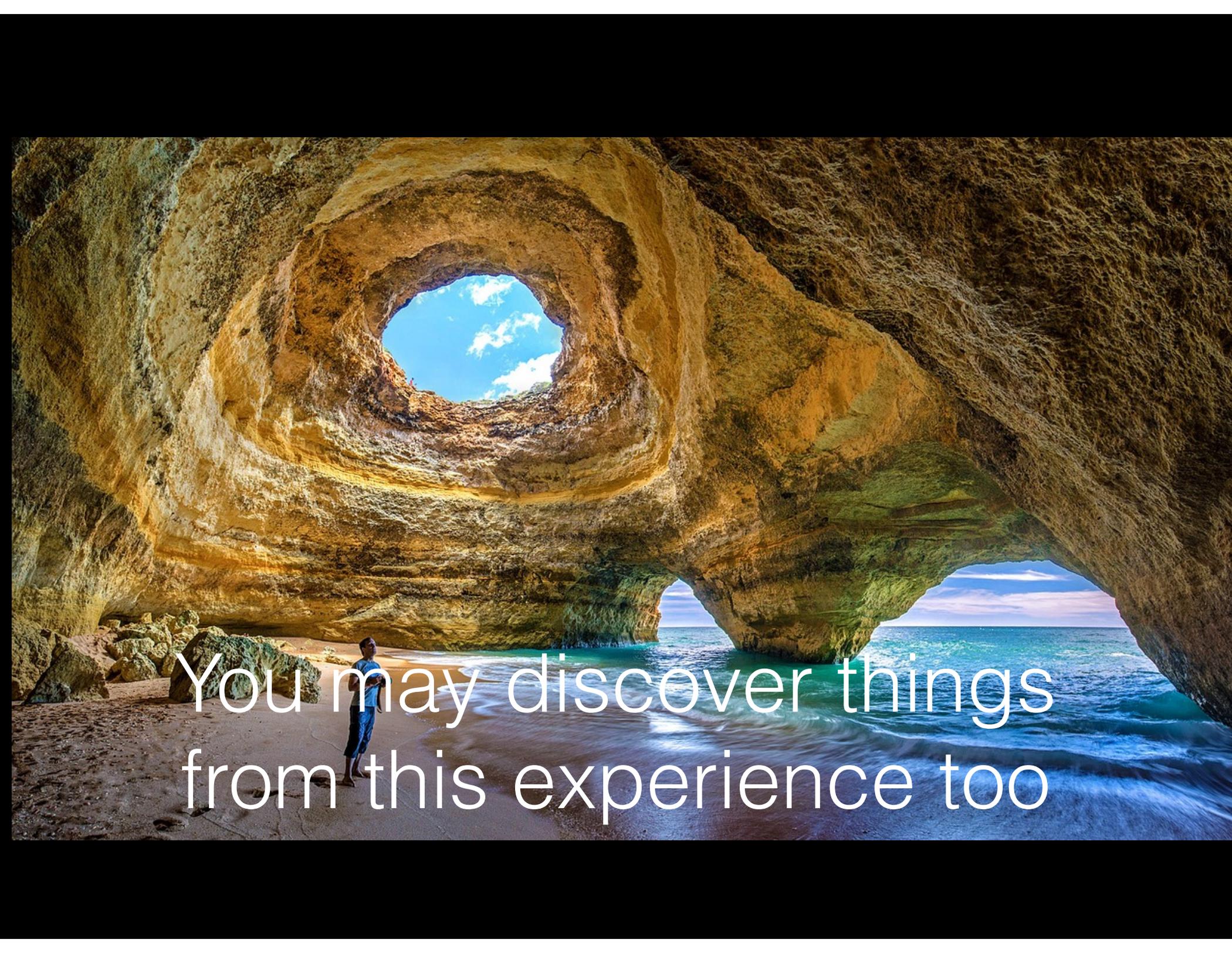


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Two sets of people scare me: those who can't follow instructions and those who can only follow instructions.

A photograph of a large, natural rock cave. The cave's interior is illuminated by warm, golden light. A prominent feature is a large, circular opening in the rock ceiling, which looks like a natural window or skylight, offering a view of a bright blue sky with scattered white clouds. Below this opening, the cave opens up to a sandy beach. A person in a blue shirt and dark pants stands on the beach, looking towards the cave's interior. To the right, another opening in the rock wall reveals a view of the ocean with waves crashing against the shore. The overall scene is one of natural wonder and discovery.

You may discover things
from this experience too

A photograph of two women in a dimly lit office environment. The woman on the left has dark hair and is resting her chin on her hand, looking towards the right. The woman on the right has long blonde hair and is looking directly at the camera with a serious expression. In the background, another person is visible working at a computer. The overall mood is professional and focused.

Practice Collective Ownership



Reduce Truck Factor



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I know of only one way to write readable code—ask a colleague to read it.

1:36 PM - 8 Apr 2015



Allow Developers
to Figure It out

A red lifebuoy with three silver reflective bands and white rope is hanging on a wall made of horizontal wooden planks. The lifebuoy has a small red label at the top and a larger red label on the left side. The text "It should be safe to be honest" is overlaid in white across the center of the image.

It should be safe to be honest



Time box efforts



7,649 Visits

25,423 Pageviews

3.32 Pages/Visit

Traffic Sources Overview

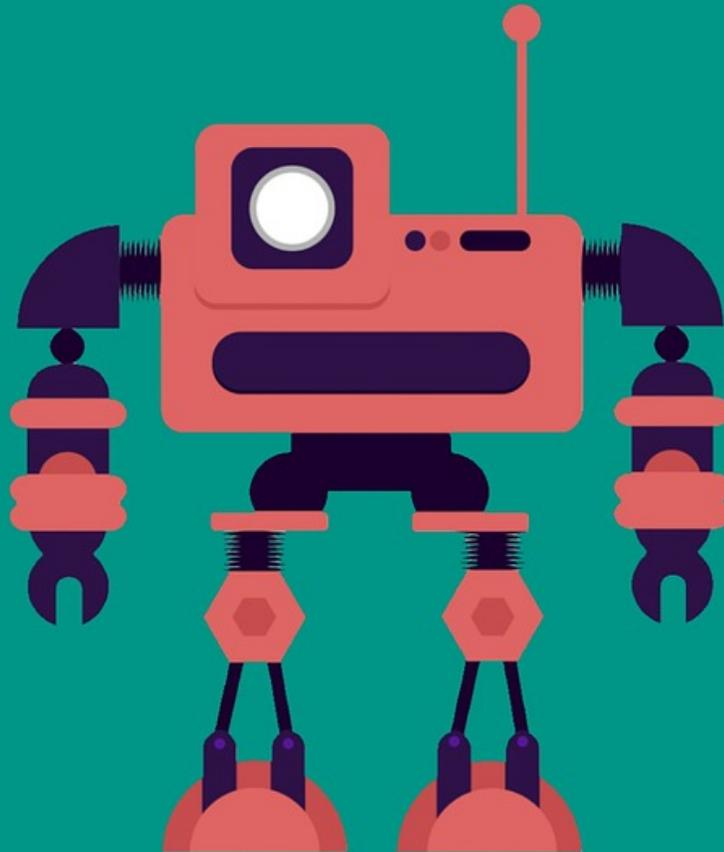
- Direct Traffic
3,097.00 (40.49%)
- Search Engines
2,910.00 (38.04%)
- Referring Sites
1,642.00 (21.47%)

Visitors Overview



Focus on
outcome,
not process

Prototypes beat any arguments

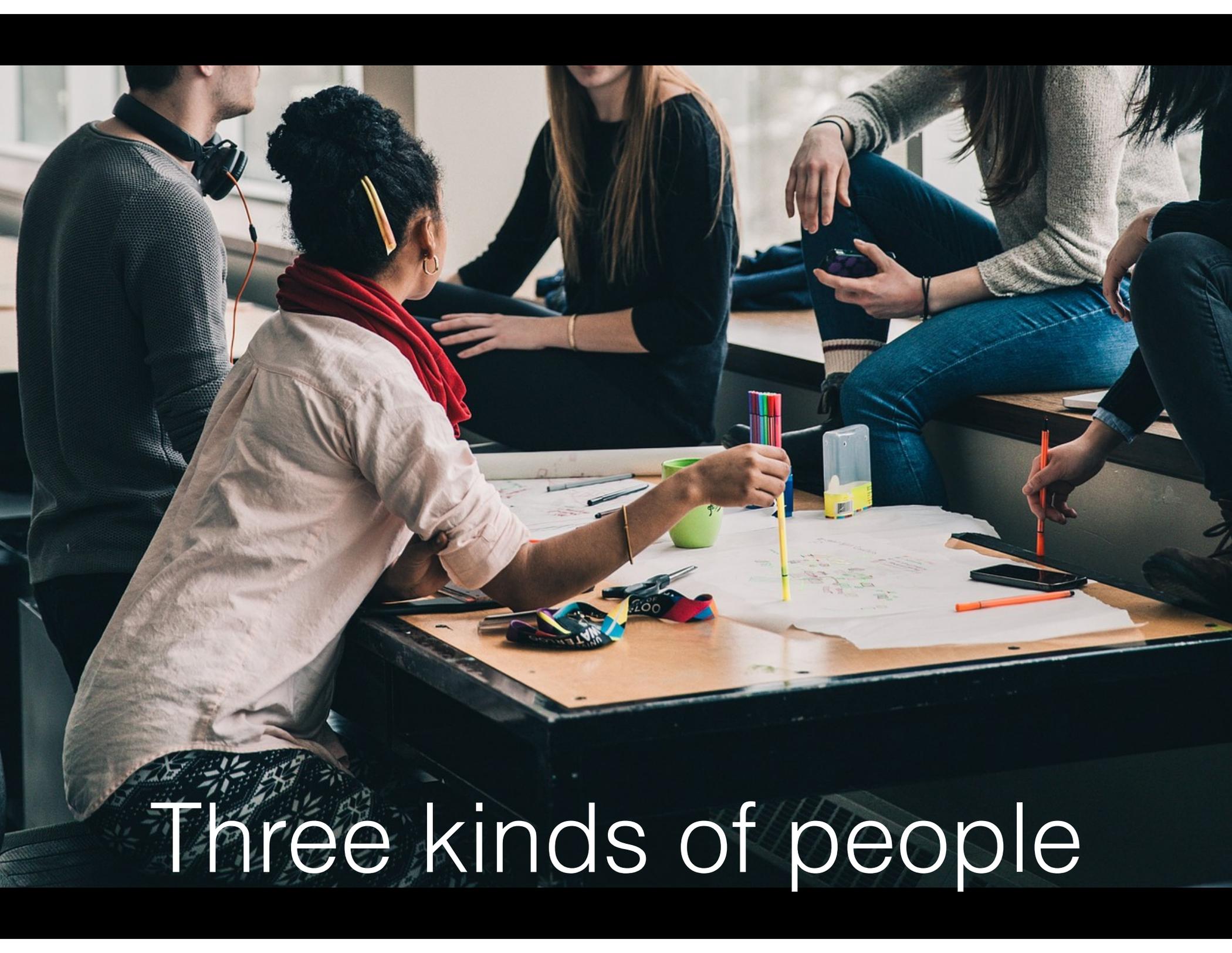




Gain domain
expertise

Extensible?





Three kinds of people

Those who know:

software but not domain

domain but not software

both software & domain

let's politely ignore the 4th group

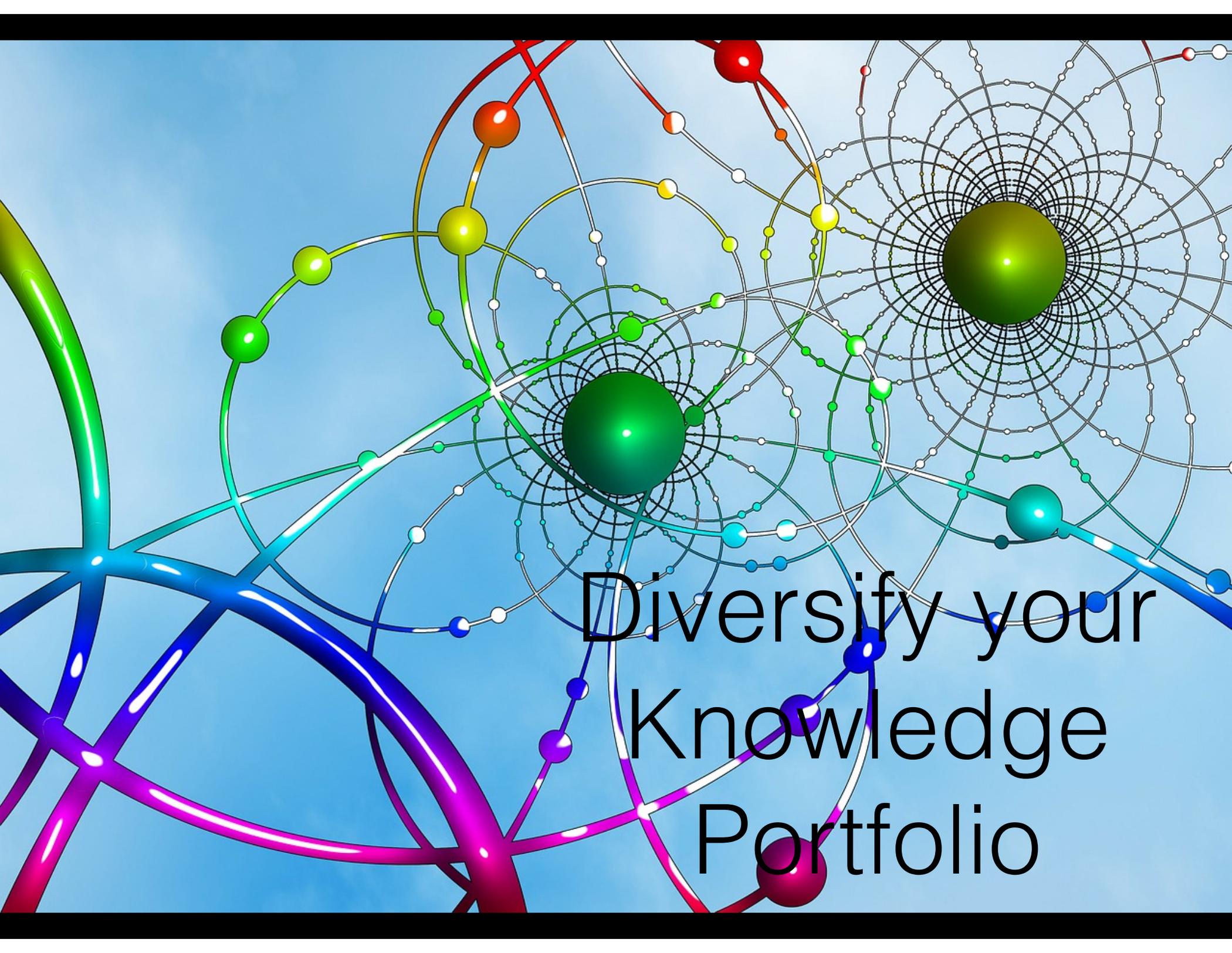


Learn to
Unlearn



Learning is relatively easy when
compared to unlearning

Unlearning is a deliberate activity



Diversify your
Knowledge
Portfolio

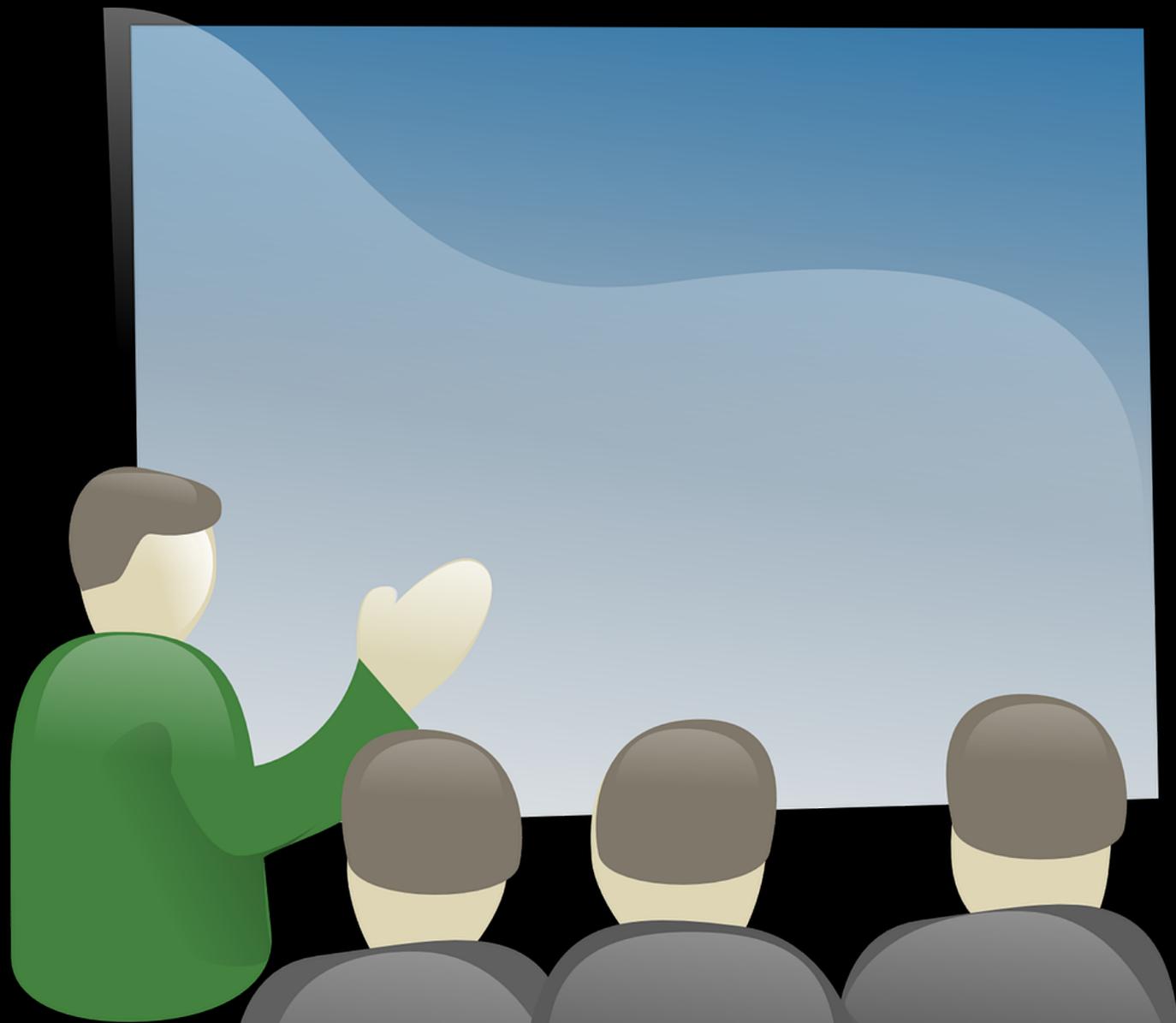
Pragmatic Programmers:
"We should learn at least one new
language each year."

The amount of time you need to learn something new is inversely proportional to the number of different things you've learned in the past few years.

Learning happens in deltas



Lead by
example



Architectural committee is where
innovation goes to die.

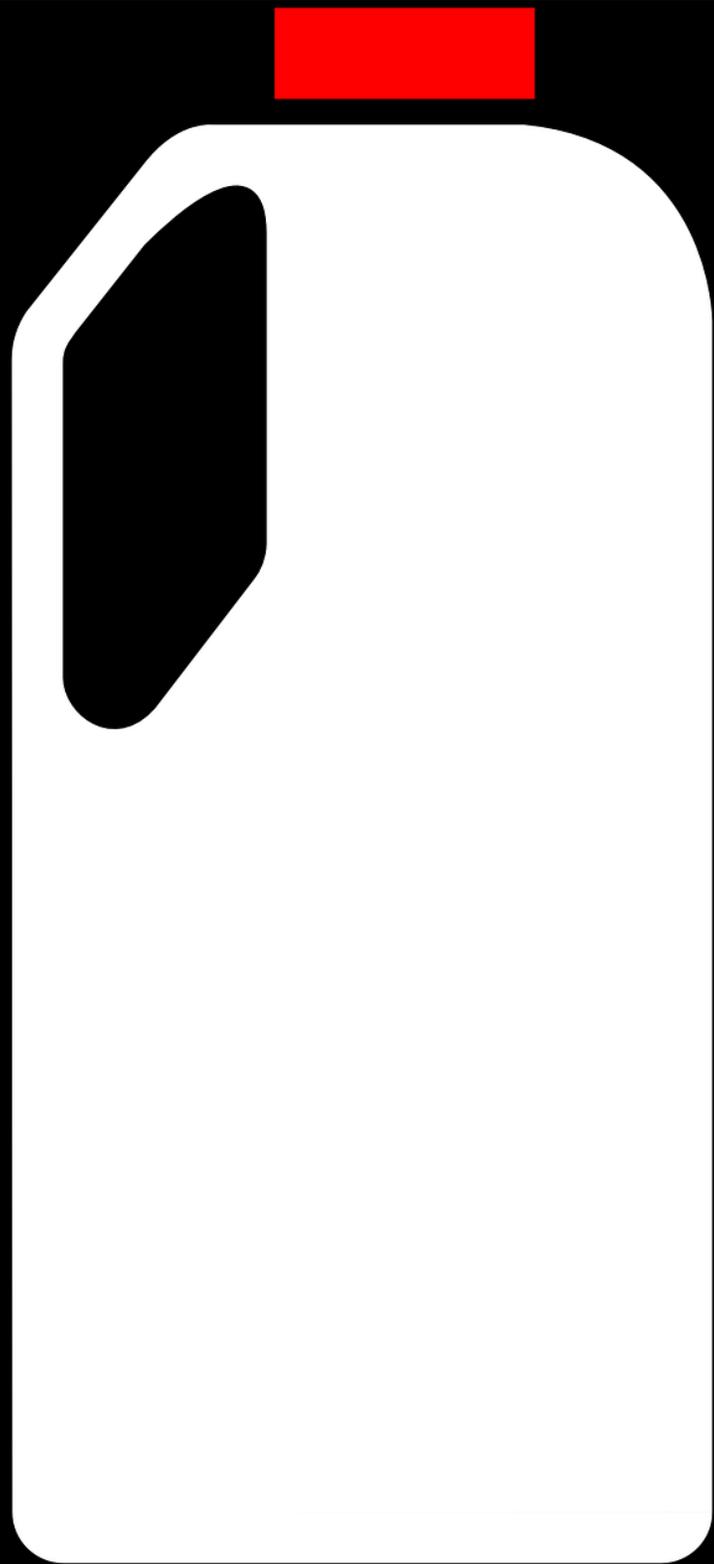


A Good Architect Practices
what they Preach

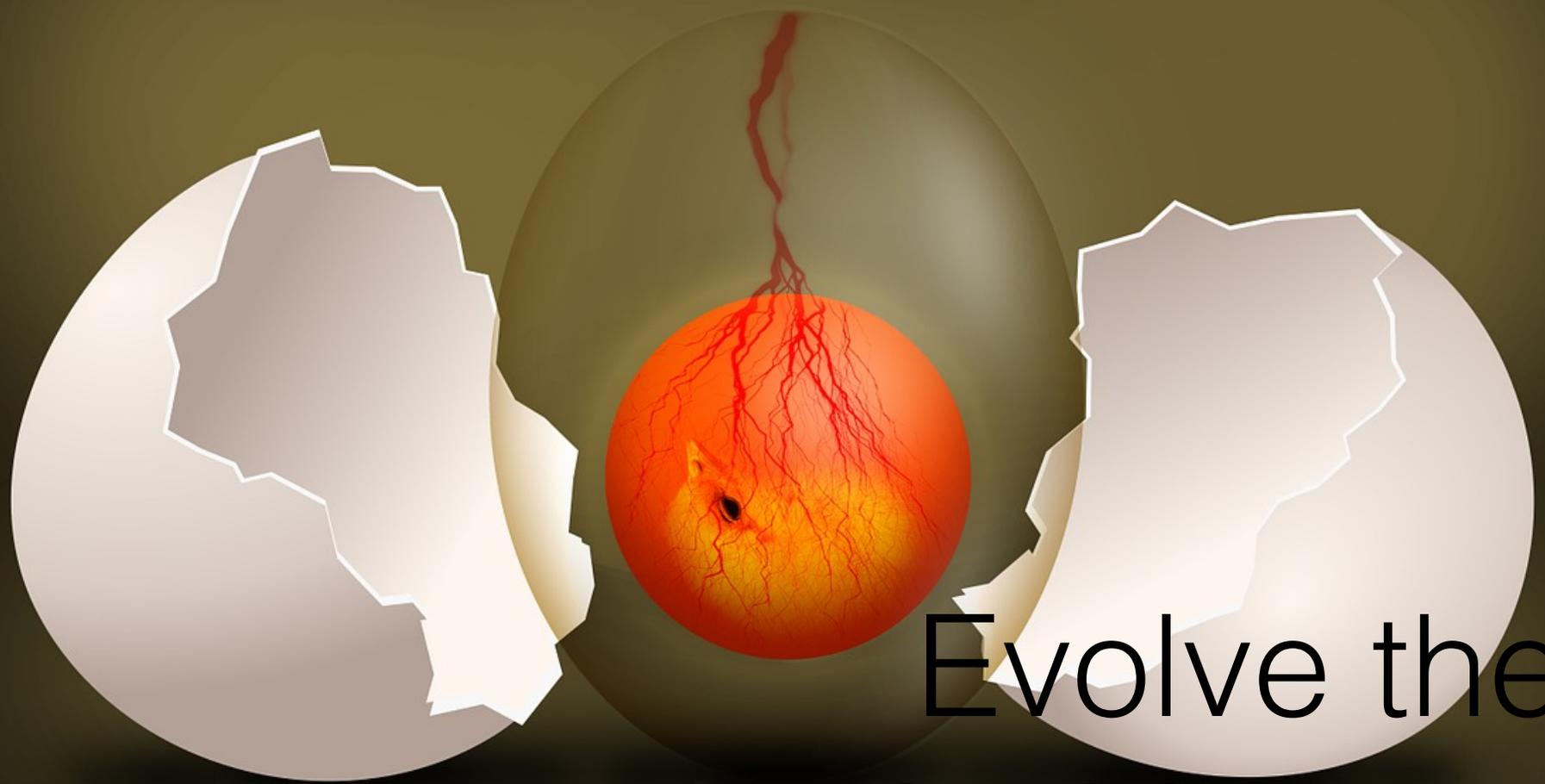


Write
Code

Avoid being a
Powerpoint Architect



Every technical
decision should
have an
expiration label.



Evolve the
Architecture

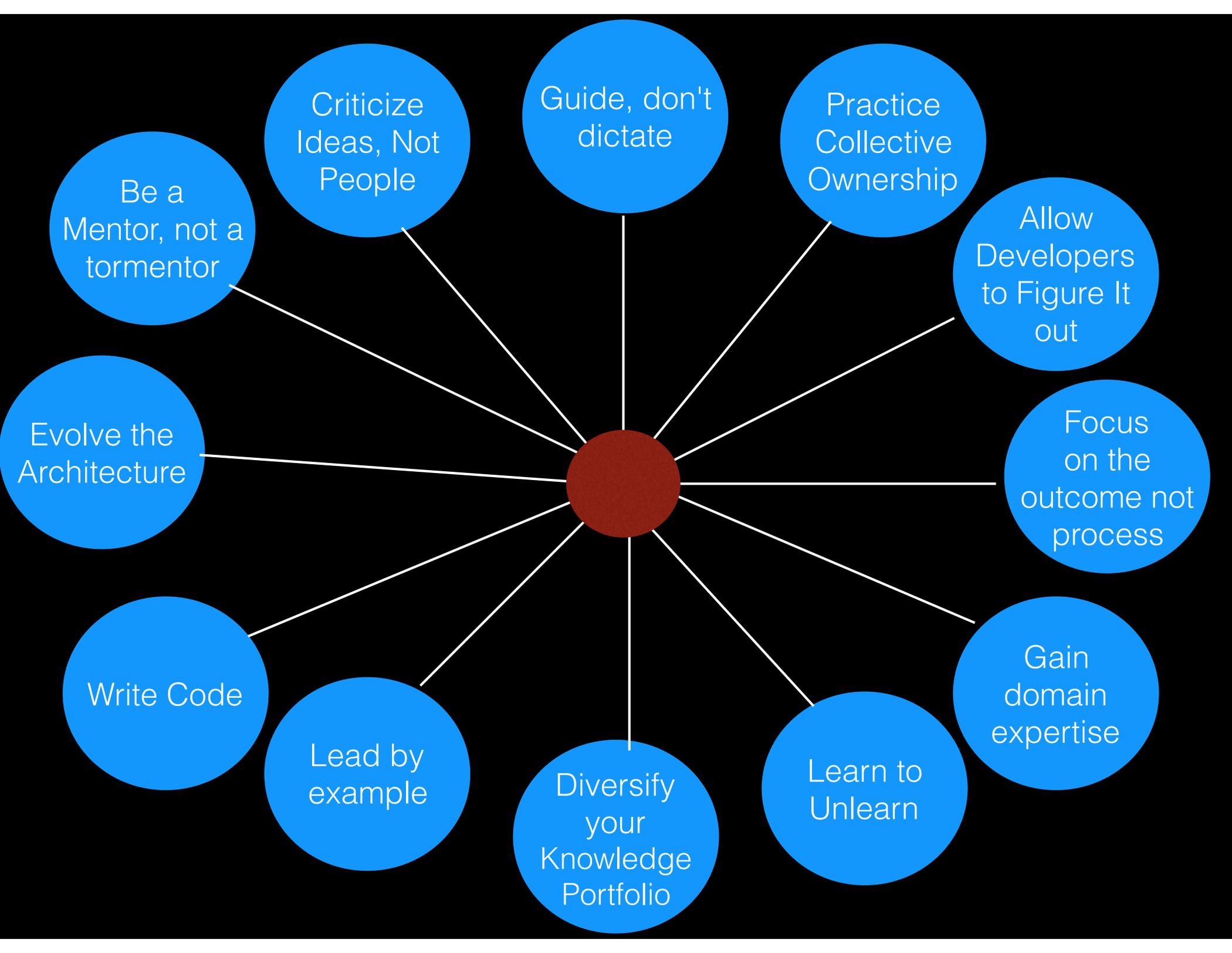


Mention % of confidence
in the architecture



The confidence in architecture
should increase with the knowledge
of the application

Use the tracer bullet approach



Be a
Mentor, not a
tormentor

Criticize
Ideas, Not
People

Guide, don't
dictate

Practice
Collective
Ownership

Allow
Developers
to Figure It
out

Focus
on the
outcome not
process

Gain
domain
expertise

Learn to
Unlearn

Diversify
your
Knowledge
Portfolio

Lead by
example

Write Code

Evolve the
Architecture

<http://agiledeveloper.com/downloads.html>

Thank you

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